

HEIGHT AND ANGLE ADJUSTABLE BED

ABSTRACT OF THE DISCLOSURE

A height adjustable bed includes a sliding hinge mechanism for attaching each of two articulated supports to wheeled bases. A linear actuator is connected between an actuating frame that is attached to each of the articulated supports and a horizontal linkage member that is attached to each of the articulated supports. Extension of the linear actuator raises the bed from a low position with assistance of a mechanical advantage provided by a fulcrum between the articulated support and the actuating frame that results from displacement of downward forces from the sliding hinge to the actuating frame.